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TITLE: OPTICAL FILM

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INVENTOR-INFORMATION:

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ABSTRACT:

PROBLEM TO BE SOLVED: To obtain an optical film exhibiting excellent transparency, low birefringence, heat resistance, moisture resistance and film formability by using a grafted polycarbonate resin composed of specific recurring unit.

SOLUTION: This optical film is obtained by using a grafted polycarbonate resin composed of recurring unit of the formula (R1 to R4 are each H or methyl; X is a 5-10C cycloalkylene or 7-15C aralkylene having a grafted vinyl-based polymer); wherein the grafted vinyl-based polymer mentioned above is pref. a

polymer made from a vinyl monomer such as an aromatic vinyl compound or
(meth)acrylic ester, or a (substituted) styrene. Furthermore, this **optical
film contains pref. a plasticizer** at 0.1-30 wt.% based on the grafted polycarbonate resin. This optical film has such characteristics is to be
≤70×10-13 cm2/dyne in photoelastic coefficient and 100-190°C in
glass transition temperature.